

ABSTRACT OF THE DISCLOSURE

A low pressure blower operated airknife having a housing with an elongated primary air discharge orifice for directing a narrow width curtain of air. The airknife includes an air-augmenting shroud which defines auxiliary discharge orifices on opposite longitudinal sides of the primary air discharge orifice such that air discharging from the primary discharge orifice creates a low pressure condition adjacent the auxiliary air discharge orifices for drawing additional air through the auxiliary discharge orifices which augments the velocity and volume of the discharging air current without the necessity for increasing the air inlet pressure or blower size. The shroud may take alternative forms, including pairs of wings disposed on opposite sides of the primary discharge orifice or hollow structures that surround the airknife housing. The airknife further is adapted for low pressure direction and application of air laden particles, such as preatomized liquid particles.